

AMENDMENTS TO THE CLAIMS:

No claim amendments are presented, but a clean copy of the claims as last amended are presented below for the Examiner's convenience.

1. (Original) A method of encrypting an unencrypted television program, comprising:
 sampling the unencrypted television program at a specified time interval;
 for each sample:
 encrypting the sample according to a first encryption method to create a first encrypted sample; and
 encrypting the sample according to a second encryption method to create a second encrypted sample.
2. (Previously Presented) The method according to claim 1, further comprising, combining the first and second encrypted samples with unsampled portions of the unencrypted television program to produce partially multiple encrypted television programs.
3. (Previously Presented) The method according to claim 2, further comprising distributing the partially multiple encrypted television program over a communication medium.
4. (Previously Presented) The method according to claim 2, further comprising assigning a plurality of primary packet identifiers (PID) to data packets containing unencrypted portions of the television program, the primary packet identifiers associating the unencrypted portion with the television program.
5. (Original) The method according to claim 2, further comprising assigning a plurality of primary packet identifiers (PID) to data packets containing first encrypted samples of the television program, the primary packet identifiers associating the first encrypted samples with the television program.

6. (Original) The method according to claim 2, further comprising assigning a plurality of secondary packet identifiers (PID) to data packets containing second encrypted samples of the television program, the secondary packet identifiers associating the second encrypted samples with the television program.

7. (Original) The method according to claim 2, further comprising:
 assigning a plurality of primary packet identifiers (PID) to data packets containing unencrypted portions of the television program, the primary packet identifiers associating the unencrypted portions with the television program;
 assigning the plurality of primary packet identifiers to data packets containing first encrypted samples of the television program, the primary packet identifiers associating the first encrypted samples with the television program; and
 assigning a plurality of secondary packet identifiers to data packets containing second encrypted samples of the television program, the secondary packet identifiers associating the second encrypted samples with the television program.

8. (Original) The method according to claim 7, further comprising transmitting system information to identify the primary and secondary PID associated with the television program.

9. (Previously Presented) The method according to claim 1, wherein each sample comprises data associated with a frame of video.

10. (Previously Presented) The method according to claim 1, wherein each sample comprises at least one packet of data.

11. (Original) The method according to claim 1, wherein the specified time interval comprises a randomly occurring time interval.

12. (Original) The method according to claim 1, further comprising distributing at least one of the first and second encrypted samples separately from unsampled portions of the unencrypted television program.

13. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 1.

14. (Original) An electronic transmission medium carrying an encrypted television signal encrypted by the method according to claim 1.

15. (Withdrawn) An encrypted television signal, comprising:
a first encrypted sample of the television signal, the first encrypted sample comprising a first sample encrypted under a first encryption method;
a second encrypted sample of the television signal, the second encrypted sample comprising the first sample encrypted under a second encryption method; and
an unencrypted portion.

16. (Withdrawn) The encrypted television signal according to claim 15, wherein the television signal comprises a digital television signal, and wherein the first encrypted samples and second encrypted samples comprise first encrypted packets and second encrypted packets, and the unencrypted portion comprises unencrypted packets.

17. (Withdrawn) The encrypted television signal according to claim 16, wherein the digital television signal complies with an MPEG standard, and wherein the first encrypted packets are identified by a first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

18. (Withdrawn) The encrypted television signal according to claim 16, wherein the digital television signal complies with an MPEG standard, and wherein the unencrypted packets are identified by a first packet identifier, and wherein the first encrypted packets are identified by the first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

19. (Previously Presented) A method of encrypting an unencrypted television program, comprising:

sampling the unencrypted television program at a specified time interval; and
for each sample, encrypting the sample according to a first encryption method to create a first encrypted sample for the television program and encrypting the sample according to a second encryption method to create a second encrypted sample for the television program.

20. (Previously Presented) The method according to claim 19, further comprising, combining the first encrypted samples with the unsampled portions of the unencrypted television program to produce a multiple partially encrypted television program.

21. (Previously Presented) The method according to claim 20, further comprising distributing the multiple partially encrypted television program over a cable television system.

22. (Original) The method according to claim 20, further comprising assigning a packet identifier (PID) to data packets containing unencrypted portions of the television program, the packet identifier associating the unencrypted portion with a particular television program.

23. (Original) The method according to claim 20, further comprising assigning a packet identifier (PID) to data packets containing first encrypted samples of the television

program, the packet identifier associating the first encrypted samples with a particular television program.

24. (Original) The method according to claim 20, further comprising assigning a secondary packet identifier (PID) to data packets containing first encrypted sample of the television program, the secondary packet identifier associating the first encrypted samples with a particular television program.

25. (Original) The method according to claim 20, further comprising assigning a packet identifier (PID) to data packets containing first encrypted samples and unencrypted portions of the television program, the packet identifier associating the first encrypted samples and the unencrypted portions with a particular television program.

26. (Previously Presented) The method according to claim 20, further comprising
assigning a primary packet identifier (PID) to data packets containing unencrypted portions of the television program, the packet identifier associating the unencrypted portions with a particular television program; and
assigning a secondary packet identifier (PID) to data packets containing encrypted samples of the television program, the secondary packet identifier associating the first encrypted samples with the particular television program

27. (Original) The method according to claim 20, wherein the sample comprises a data associated with a frame of video.

28. (Original) The method according to claim 19, wherein the sample comprises at least one packet of data.

29. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 19.

30. (Previously Presented) An electronic transmission medium carrying a multiple encrypted television program encrypted by the method according to claim 19.

31. (Original) A method of encrypting an unencrypted television program, comprising:
 encrypting N periods out of every M periods of the television program according to a first encryption method, where M is greater than N; and
 encrypting the N periods of the television program according to a second encryption method.

32. (Previously Presented) The method according to claim 31, further comprising, combining the first and second encrypted periods with unencrypted periods to produce a partially multiple encrypted television program.

33. (Previously Presented) The method according to claim 32, further comprising distributing the partially multiple encrypted television program over a cable television system.

34. (Original) The method according to claim 32, further comprising assigning a primary packet identifier (PID) to unencrypted periods of the television program.

35. (Original) The method according to claim 32, further comprising assigning a primary packet identifier (PID) to periods encrypted under the first encryption method.

36. (Original) The method according to claim 32, further comprising assigning a secondary packet identifier (PID) to periods encrypted under the second encryption method.

37. (Original) The method according to claim 32, further comprising:

assigning a primary packet identifier (PID) to unencrypted periods of the television program;

assigning a primary packet identifier (PID) to periods encrypted under the first encryption method; and

assigning a secondary packet identifier (PID) to periods encrypted under the second encryption method.

38. (Original) The method according to claim 37, further comprising transmitting system information to identify the primary and secondary PID associated with the television program.

39. (Original) The method according to claim 32, wherein the period comprises data associated with a frame of video.

40. (Original) The method according to claim 32, wherein the period comprises at least one packet of data.

41. (Original) The method according to claim 31, wherein the N periods and M periods are selected randomly.

42. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 32.

43. (Original) An electronic transmission medium carrying an encrypted television program encrypted by the method according to claim 32.

44. (Previously Presented) A partially multiple encrypted television signal, comprising:
a first portion of the television signal, the portion being encrypted under a first encryption method and under a second encryption method; and

an unencrypted portion, wherein for every M periods of the television signal, N periods are encrypted, where M is greater than N.

45. (Previously Presented) The partially multiple encrypted television signal according to claim 44, wherein the television signal is a digital television signal, and wherein the period comprises a packet.

46. (Previously Presented) The partially multiple encrypted television signal according to claim 44, wherein the period comprises a video frame.

47. (Previously Presented) The partially multiple encrypted television signal according to claim 44, wherein the digital television signal complies with an MPEG standard, and wherein the first encrypted portion is identified by a first packet identifier, and wherein the second encrypted portion is identified by a second packet identifier.

48. (Previously Presented) The partially multiple encrypted television signal according to claim 44, wherein the digital television signal complies with an MPEG standard, and wherein the unencrypted portion is identified by a first packet identifier, and wherein the encrypted portion encrypted under the first encryption method is identified by the first packet identifier, and wherein the encrypted portion encrypted under the second encryption method is identified by a second packet identifier.

49. (Withdrawn) A method of multiple encrypting an unencrypted television program, comprising:

encrypting N portions of the television program out of every M portions of the television program according to a first encryption method, where M is greater than N, to create a first encrypted portion;

encrypting the N portions of the television program out of every M portions of the television program according to a second encryption method, where M is greater than N, to create a second encrypted portion; and

leaving a remainder of the television program unencrypted, wherein the combination of the first encrypted portion with the second encrypted portion and the remainder comprises a multiple partially encrypted television program.

50. (Withdrawn) The method according to claim 49, further comprising distributing the multiple partially encrypted television program over one of the following: a terrestrial broadcast system, a cable television system and a satellite television system.

51. (Withdrawn) The method according to claim 49, further comprising assigning a packet identifier (PID) to data packets containing the first encrypted portions and the remainder of the television program, the packet identifier associating the first encrypted portion and the remainder with the television program.

52. (Withdrawn) The method according to claim 49, further comprising assigning a primary packet identifier (PID) to data packets containing the first encrypted portions and the remainder of the television program, the packet identifier associating the first encrypted portion and the remainder with the television program; and assigning a secondary packet identifier (PID) to data packets containing the second encrypted portions of each television program, the secondary packet identifier associating the first second encrypted samples with the television program.

53. (Withdrawn) The method according to claim 49, wherein the N portions comprise N frames of video.

54. (Withdrawn) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 49.

55. (Withdrawn) An electronic transmission medium carrying a multiple encrypted television program encrypted by the method according to claim 49.

56. (Withdrawn) A method of processing a television signal, comprising:
receiving a television signal comprising:
a first encrypted sample of the television program, the sample being encrypted under a first encryption method,
a second encrypted sample of the television program, the sample being encrypted under a second encryption method, and
an unencrypted portion; and
decrypting the first encrypted sample to produce a decrypted sample.

57. (Withdrawn) The method according to claim 56, further comprising decoding the unencrypted portion and the decrypted sample.

58. (Withdrawn) The method according to claim 56, wherein the television signal is a digital television signal, and wherein the first encrypted samples and second encrypted samples comprise first encrypted packets and second encrypted packets, and the unencrypted portion comprises unencrypted packets.

59. (Withdrawn) The method according to claim 58, wherein the digital television signal complies with an MPEG standard, and wherein the first encrypted packets are identified by a first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

60. (Withdrawn) The method according to claim 58, wherein the digital television signal complies with an MPEG standard, and wherein the unencrypted packets are identified by a first packet identifier, and wherein the first encrypted packets are

identified by the first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

61. (Withdrawn) The method according to claim 56, carried out in a television device.

62. (Withdrawn) The method according to claim 56, carried out in a television set-top box.

63. (Withdrawn) The method according to claim 56, carried out in an integrated circuit.

64. (Withdrawn) The method according to claim 56, carried out in one of an application specific integrated circuit, a programmable logic device and a field programmable gate array.

65. (Withdrawn) A method of processing digital content, comprising:
receiving a signal containing the digital content, the digital content comprising:
a first encrypted sample of the digital content, the sample being encrypted under a first encryption method,
a second encrypted sample of the digital content, the sample being encrypted under a second encryption method, and
an unencrypted portion; and
decrypting the first encrypted sample to produce a decrypted sample.

66. (Withdrawn) The method according to claim 65, further comprising decoding the unencrypted portion and the decrypted sample.

67. (Withdrawn) The method according to claim 65, carried out in one of an integrated circuit, an application specific integrated circuit and a field programmable gate array.

68. (Withdrawn) The method according to claim 65, carried out in one of a television device, a content player, a PDA and a music player.

69. (Previously Presented) A method of decoding a television program, comprising:
receiving a television signal having N periods out of every M periods of the television program encrypted according to a first encryption method, where M is greater than N, and wherein the same N periods of the television program are encrypted according to a second encryption method, wherein M - N periods are unencrypted;
decrypting the N periods according to a first decryption method to produce decrypted periods;
discarding the N periods encrypted according to the second encryption method;
and
decoding the decrypted periods and the unencrypted periods.

70. (Original) The method according to claim 69, further comprising filtering out the N periods encrypted according to the second encryption method.

71. (Original) The method according to claim 70, wherein the filtering is carried out by filtering on a packet identifier (PID) associated with data packets.

72. (Original) The method according to claim 69, wherein the period comprises data associated with a frame of video.

73. (Original) The method according to claim 69, wherein the period comprises at least one packet of data.

74. (Original) The method according to claim 69, wherein the period comprises data associated with a frame of audio.

75. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 69.

76. (Original) The method according to claim 69, carried out in a television device.

77. (Original) The method according to claim 69, carried out in a television set-top box.

78. (Original) The method according to claim 69, carried out in an integrated circuit.

79. (Previously Presented) The method according to claim 69, carried out in one of an application specific integrated circuit, a programmable logic device and a field programmable gate array.

80. (Withdrawn) A television set-top box for decoding a television signal, comprising:
a receiver that receives a television signal having:
a first encrypted sample of the television program, the sample being encrypted under a first encryption method,
a second encrypted sample of the television program, the sample being encrypted under a second encryption method, and
an unencrypted portion;
a decrypter that decrypts the first encrypted sample to produce a decrypted sample; and
a decoder that decodes the unencrypted portion and the decrypted sample.

81. (Withdrawn) The apparatus according to claim 80, wherein the television signal is a digital television signal, and wherein the first encrypted samples and second encrypted samples comprise first encrypted packets and second encrypted packets, and the unencrypted portion comprises unencrypted packets.

82. (Withdrawn) The apparatus according to claim 81, wherein the digital television signal complies with an MPEG standard, and wherein the first encrypted packets are identified by a first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

83. (Withdrawn) The apparatus according to claim 81, wherein the digital television signal complies with an MPEG standard, and wherein the unencrypted packets are identified by a first packet identifier, and wherein the first encrypted packets are identified by the first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

84. (Original) A television set-top box for decoding a television program, comprising:
a receiver receiving a television program having N periods out of every M periods of the television program encrypted according to a first encryption method, where M is greater than N , and wherein the same N periods of the television program encrypted according to a second encryption method, wherein $M-N$ periods are unencrypted;
a decrypter that decrypts the N periods according to a first decryption method to produce decrypted periods;
filtering means for discarding the N periods encrypted according to the second encryption method; and
a decoder that decodes the decrypted periods and the unencrypted periods.

85. (Previously Presented) The television Set-top Box according to claim 84, wherein the filtering means filters out the N periods encrypted according to the second encryption method.

86. (Previously Presented) The television Set-top Box according to claim 85, wherein the filtering is carried out by the filtering means filtering on a packet identifier (PID) associated with data packets.

87. (Previously Presented) The television Set-top Box according to claim 84, wherein the period comprises data associated with a frame of video.

88. (Previously Presented) The television Set-top Box according to claim 84, wherein the period comprises at least one packet of data.

89. (Previously Presented) The television Set-top Box according to claim 84, wherein the decoder comprises an MPEG decoder.

90. (Original) A method of encrypting a plurality of unencrypted television programs, comprising:

- selecting a video frame from each unencrypted television program at a specified time interval;

- encrypting the frame according to a first encryption method to create a first encrypted frame for each television program; and

- encrypting the frame according to a second encryption method to create a second encrypted frame for each television program.

91. (Original) The method according to claim 90, further comprising, combining the first and second encrypted frames with unencrypted frames of the unencrypted television programs to produce partially dual encrypted television programs.

92. (Original) The method according to claim 91, further comprising distributing the partially dual encrypted television programs over one of a cable television system, a terrestrial broadcast system , and a satellite system.

93. (Previously Presented) The method according to claim 91, further comprising assigning a plurality of primary packet identifiers (PID) to data packets containing unencrypted portions of each television program, the primary packet identifiers associating the unencrypted portions with each particular television program.

94. (Previously Presented) The method according to claim 91, further comprising assigning a plurality of primary packet identifiers (PID) to data packets containing first encrypted frames of each television program, the primary packet identifiers associating the first encrypted frames with each particular television program.

95. (Original) The method according to claim 91, further comprising assigning a plurality of secondary packet identifiers (PID) to data packets containing second encrypted frames of each television program, the secondary packet identifiers associating the second encrypted frames with a particular television program.

96. (Previously Presented) The method according to claim 91, further comprising:
 assigning a plurality of primary packet identifiers (PID) to data packets containing unencrypted portions of each television program, the primary packet identifiers associating the unencrypted portions with each particular television program;
 assigning the plurality of primary packet identifiers to data packets containing first encrypted frames of each television program, the primary packet identifiers associating the first encrypted frames with each particular television program; and

assigning a plurality of secondary packet identifiers to data packets containing second encrypted frames of each television program, the secondary packet identifiers associating the second encrypted samples with a particular television program.

97. (Original) The method according to claim 96, further comprising transmitting system information to identify the primary and secondary packet identifiers associated with each television program.

98. (Original) The method according to claim 90, wherein the specified time interval is selected at random.

99. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 90.

100. (Original) An electronic transmission medium carrying an encrypted television signal encrypted by the method according to claim 90.

101. (Previously Presented) A method of encrypting an unencrypted television program, comprising:

selecting a frame of the unencrypted television program at a specified time interval;

encrypting the frame according to a first encryption method to create a first encrypted sample for the television program ; and

encrypting the frame according to a second encryption method to create a second encrypted sample for the television program.

102. (Previously Presented) The method according to claim 101, further comprising, combining the first encrypted sample and the second encrypted sample

with unencrypted portions of the television program to produce a multiple partially encrypted television program.

103. (Previously Presented) The method according to claim 102, further comprising distributing the multiple partially encrypted television program over a cable television system.

104. (Previously Presented) The method according to claim 102, further comprising assigning a primary packet identifier (PID) to data packets containing unencrypted portions of the television program, the primary packet identifier associating the unencrypted portion with a particular television program.

105. (Previously Presented) The method according to claim 104 ~~402~~, further comprising assigning a primary packet identifier (PID) to data packets containing first encrypted samples of the television program and assigning a secondary packet identifier (PID) to data packets containing second encrypted samples of the television program, the primary packet identifier associating the first encrypted samples and the secondary packet identifier associating the second encrypted samples with the particular television program.

106. (Previously Presented) The method according to claim 104, further comprising assigning a secondary packet identifier (PID) to data packets containing first encrypted samples of the television program and assigning a primary packet identifier (PID) to data packets containing second encrypted samples of the television program, the secondary packet identifier associating the first encrypted samples and the primary packet identifier associating the second encrypted samples with the particular television program.

107. (Previously Presented) The method according to claim 102, further comprising assigning a primary packet identifier (PID) to data packets containing first encrypted samples and unencrypted portions of the television program and assigning a secondary packet identifier (PID) to data packets containing second encrypted samples of the television program, the primary packet identifier associating the first encrypted samples and the unencrypted portions and the secondary packet identifier associating the second encrypted samples with a particular television program.

108. (Previously Presented) The method according to claim 102, further comprising

assigning a primary packet identifier (PID) to data packets containing unencrypted portions of the television program, the primary packet identifier associating the unencrypted portions with a particular television program; and
assigning the primary packet identifier (PID) to data packets containing first encrypted samples of the television program, the primary packet identifier associating the first encrypted samples with the particular television program; and

assigning a secondary packet identifier (PID) to data packets containing encrypted samples of the television program, the secondary packet identifier associating the encrypted samples with the particular television program.

109. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 101.

110. (Original) An electronic transmission medium carrying an encrypted television program encrypted by the method according to claim 101.